What is claimed is:

1. A ultraviolet excited light-emitting device comprising a phosphor having at least one selected from the group consisting of Eu and Mn as an activator and a compound represented by a formula (1):

$$M^1M^2M_2{}^3O_6 \qquad (1)$$

wherein M^1 is at least two selected from the group consisting of Ca, Sr and Ba, or Sr or Ba, M^2 is at least one selected from the group consisting of Mg and Zn, and M^3 is at least one selected from the group consisting of Si and Ge in the formula (1).

2. The ultraviolet excited light-emitting device according to claim 1, wherein the phosphor has the same crystal structure as diopside.

3. The ultraviolet excited light-emitting device according to claim 1, wherein the phosphor comprises a compound represented by a formula (2);

$$(M^1{}_{1-a}Eu_a)M^2M^3{}_2O_6 \qquad (2)$$

wherein, in the formula (2), M^1 is at least two selected from the group consisting of Ca, Sr and Ba, or Sr or Ba, M^2 is at least one selected from the group consisting of Mg and Zn, and M^3 is at least one selected from the group consisting of Si and Ge.

4. The ultraviolet excited light-emitting device according to claim 1, wherein the phosphor comprises

a compound represented by a formula (3);

$$Ca_{1-b-c}Sr_bEu_cMgSi_2O_6 \qquad (3)$$

wherein b is more than 0.1 and not more than 0.4, and C is more than 0 and not more than 0.1.

5. The ultraviolet excited light-emitting device according to claim 1, wherein the wavelength of ultraviolet is more than about 200 nm and not more than about 400 nm.

6. Use of a phosphor having at least one selected from the group consisting of Eu and Mn as an activator and a compound represented by a formula described above as a ultraviolet excited light-emitting device.

7. The use according to claim 6, wherein the phosphor has the same crystal structure as diopside.

8. The use according to claim 6, wherein the phosphor comprises the compound represented by the formula (2) described above.

9. The use according to claim 6, wherein the phosphor comprises the compound represented by the formula (3) described above.

10. The use according to claim 6, wherein the wavelength of ultraviolet is more than about 200 nm and not more than about 400 nm.